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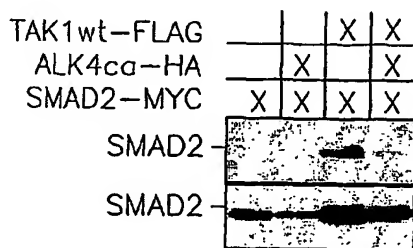
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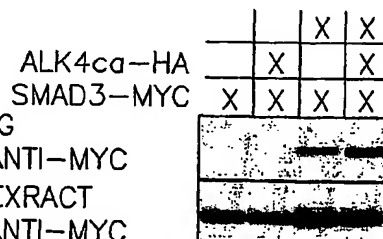
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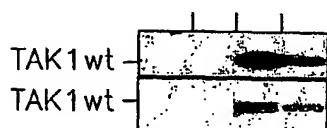
(54) Title: TAK1-MEDIATED INHIBITION OF OSTEOGENESIS



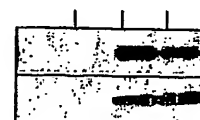
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SMAD3
SMAD3



IP: ANTI-FLAG
WESTERN: ANTI-FLAG
CELLULAR EXTRACT
WESTERN: ANTI-FLAG



TAK1wt
TAK1wt

(57) Abstract: This invention is directed to methods, nucleic acids and compositions in TAK1-mediated regulation of SMAD activity. Promotion of TAK1 interaction with MH2 domains in SMADs negatively regulates SMAD biological activity. BMP-mediated SMAD activity is subject to TAK1 effects.

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